

## Contents Volume 130

### Letter

- n-Pentane aromatization over pore size regulated MFI zeolite: Enrichment of *para*-xylene content in xylenes [A3146]  
Y.S. Bhat, J. Das and A.B. Halgeri (Baroda, India) ..... L1

### Articles

- Acid zeolites as catalysts in organic reactions: condensation of acetophenone with benzene derivatives [A3139]  
M.J. Climent, A. Corma, H. García, S. Iborra and J. Primo (Valencia, Spain) ..... 5
- Reaction and XRD studies on Cu based methanol decomposition catalysts: Role of constituents and development of high-activity multicomponent catalysts [A3119]  
W.-H. Cheng (Wilmington, Delaware, USA) ..... 13
- In-situ Mössbauer spectroscopic study of iron site evolution in iron and cobalt molybdates catalysts in propene oxidation reaction conditions [A3129]  
B. Benaichouba (Mostaganem, Algérie), P. Bussiere and J.C. Vedrine (Villeurbanne, France) ..... 31
- 1-Butanol dehydration on  $\text{AlPO}_4$  and modified  $\text{AlPO}_4$ : catalytic behaviour and deactivation [A3123]  
F.M. Bautista (Córdoba, Spain) and B. Delmon (Louvain-la-Neuve, Belgium) ..... 47
- Effects of non-framework alumina in the acylation of xylene over USY [A3112]  
R. Fang, G. Harvey, H.W. Kouwenhoven and R. Prins (Zurich, Switzerland) ..... 67
- Detergent-range alcohol alkoxylates via vicinal glycol additions to  $\alpha$ -olefins [A3107]  
J.F. Knifton (Austin, TX, USA) ..... 79
- Studies of high surface area Pt/ $\text{MoO}_3$  and Pt/ $\text{WO}_3$  catalysts for selective hydrogenation reactions I. Preparation and characterization of catalysts by X-ray diffraction, transmission electron microscopy, hydrogen consumption and carbon monoxide chemisorption [A3113]  
C. Hoang-Van (Ecully, France) and O. Zegaoui (Oujda, Morocco) ..... 89
- Hydrogenation of carbon dioxide over Cu–Zn-chromate/zeolite composite catalyst: The effects of reaction behavior of alkenes on hydrocarbon synthesis [A3125]  
M. Fujiwara, H. Ando, M. Tanaka and Y. Souma (Osaka, Japan) ..... 105
- Calendar of Forthcoming Events ..... 117
- Book Review ..... 124

### News Brief

- Chemisorption Kinetics. III. Is Tunnelling an Illusion? ..... N2
- Maria Curie-Skłodowska University, Lublin, Poland ..... N3
- Novel Materials that are of Interest as Catalysts ..... N5

Heterogeneous Hydrocarbon Oxidation .....	N6
Symposium on Chinal Catalysis .....	N7
Workshop on Catalytic Combustion .....	N7
15th North American Catalysis Society Meeting .....	N7
3rd World Congress on Oxidation Catalysis .....	N7

## Articles

Methane oxidative coupling on BaF <sub>2</sub> /LaOF catalyst [A3133] Z.S. Chao, X.P. Zhou, H.L. Wan and K.R. Tsai (Xiamen, China) .....	127
Activation and characterization of Fe–Mn–SO <sub>4</sub> <sup>2-</sup> /ZrO <sub>2</sub> catalysts [A3144] R. Srinivasan, R.A. Keogh and B.H. Davis (Lexington, KY, USA) .....	135
Total combustion of <i>m</i> -xylene over palladium catalysts supported by stainless steel flakes [A3117] L. Borkó, Z. Schay and L. Guzzi (Budapest, Hungary) .....	157
The catalytic dimerisation of acrylonitrile: deactivation of phosphinite catalysts by alcoholysis [A3136] J.R. Jennings, R.J. Cozens and K. Wade (Durham, UK) .....	175
Dependence of the nature and catalytic performance on the synthesis factors of SAPO-5 molecular sieve [A3124] T. Xiao, L. An and H. Wang (Lanzhou, China) .....	187
Oxidative coupling of methane in a mixed-conducting perovskite membrane reactor [A3115] J.E. Ten Elshof, H.J.M. Bouwmeester and H. Verweij (Enschede, Netherlands) .....	195
Characterization of palladium supported on sulfated zirconia catalysts by DRIFTS, XAS and <i>n</i> -butane isomerization reaction in the presence of hydrogen [A3134] G. Larsen, E. Lotero, R.D. Parra, L.M. Petkovic, H.S. Silva and S. Raghavan (Lincoln, NE, USA) .....	213
NMR study of intrinsic diffusion and reaction in CsNaX type zeolites [A3130] H.B. Schwarz, H. Ernst (Leipzig, Germany), S. Ernst (Stuttgart, Germany), J. Kärger (Leipzig, Germany), T. Röser (Stuttgart, Germany), R.Q. Snurr (Leipzig, Germany) and J. Weitkamp (Stuttgart, Germany) .....	227
Author Index .....	243
Subject Index .....	245
Contents Volume 130 .....	249

## News Brief

Bio-Catalysis — Will it Find Application in Petroleum Refining? .....	N10
A fresh look at Postgraduate Training in the UK .....	N11
Exhibitors at 14th North American Meeting of The Catalysis Society .....	N12
Critics, Referees and Reviewers: Can they sometimes be misguided? .....	N13

